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DATE MAILED: 11/03/2009

NOTICE OF ALLOWANCE AND FEE(S) DUE

21874 7590 11/03/2009 EDWARDS ANGELL PALMER & DODGE LLP P.O. BOX 55874 BOSTON, MA 02205 EXAMINER

KO, JASON Y

ART UNIT PAPER NUMBER

 APPELICATION NO.
 FILINO DATE
 FIRST NAMED INVENTOR
 ATTORNIEY DOCKSET NO.
 CONTEMATION NO.

 10/34.624
 10/11/2005
 Lorenz Kopp
 63265(45107)
 2268

 171LG OF INVENTION: NOZZIE A REANGEMENT
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| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 02/03/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

| appropriate. All further indicated unless correcte maintenance fee notificat | correspondence includired below or directed oth | or transmitting og the Patent, ac ierwise in Block | the ISSI Ivance o : 1, by (| rders and notification of a) specifying a new corre | maintenance fees v espondence address: | vill be and/o | mailed to the current r (b) indicating a sepa | correspondence address a trate "FEE ADDRESS" fo |
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| | | | | | | | | (Depositor's name) |
| | | | | L | | | | (Signature) |
| | | | | L | | | | (Date) |
| APPLICATION NO. | FILING DATE | | | FIRST NAMED INVENTOR | 3 | ATTC | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/536,624 | 10/11/2005 | | | Lorenz Kopp | opp 63265(4510 | | 63265(45107) | 2268 |
| TITLE OF INVENTION | : NOZZLE ARRANGE! | MENT | | | | | | |
| APPLN, TYPE | SMALL ENTITY | ISSUE FEE I | DUE | PUBLICATION FEE DUE | PREV. PAID ISSU | E FEE | TOTAL FEE(S) DUE | DATE DUE |
| nonprovisional | NO | \$1510 | | \$300 | \$0 | | \$1810 | 02/03/2010 |
| EXAM | INER | ART UNI | Т | CLASS-SUBCLASS | 1 | | | |
| KO, JAS | | 1792 | | 134-198000 | _ | | | |
| | ondence address (or Cha 1/122) attached. cation (or "Fee Address' 2 or more recent) attach | nge of Corresport Indication forned. Use of a Cu | ndence 1 stomer | 2. For printing on the (1) the names of up t or agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or ty | o 3 registered pater ively, the firm (having as a agent) and the nam orneys or agents. If e printed. | t attor | era 2 | |
| (A) NAME OF ASSIC | SNEE | | | (B) RESIDENCE: (CIT | Y and STATE OR C | OUN | TRY) | ocument has been filed for |
| 4a. The following fee(s) a lssue Fee Publication Fee (N Advance Order - # | o small entity discount p | ermitted) | 4 | b. Payment of Fee(s): (Ple A check is enclosed. Payment by credit cs The Director is hereboverpayment, to Dep | ard. Form PTO-2038 | is att | iched. | shown above) ficiency, or credit any n extra copy of this form). |
| | SMALL ENTITY state | s. See 37 CFR 1 | | b. Applicant is no lo | | | | |
| NOTE: The Issue Fee and interest as shown by the r | I Publication Fee (if req ecords of the United Sta | iired) will not be tes Patent and T | accepte rademark | d from anyone other than Office. | the applicant; a regi | istered | attorney or agent; or th | ne assignee or other party ir |
| Authorized Signature | | | | | Date | | | |
| Typed or printed name | | | | | Registration N | | | |
| This collection of informan application. Confident submitting the completed this form and/or suggestit Box 1450, Alexandria, V Alexandria, Virginia 223 | ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bu- irginia 22313-1450. DC 13-1450. | FR 1.311. The i U.S.C. 122 and USPTO. Time den, should be so NOT SEND FI | nformati 37 CFR will vary sent to th EES OR | on is required to obtain or 1.14. This collection is ear depending upon the indi the Chief Information Offic COMPLETED FORMS T | retain a benefit by t stimated to take 12 vidual case. Any co er, U.S. Patent and O THIS ADDRESS | he pub minute ommen Trader S. SEN | lic which is to file (and is to complete, includir is on the amount of ti- nark Office, U.S. Dep D TO: Commissioner | by the USPTO to process gg gathering, preparing, and me you require to complete artment of Commerce, P.O for Patents, P.O. Box 1450 |

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| EDWARDS AN | GELL PALMER & I | KO, JASON Y | | |
| P.O. BOX 55874 | | ART UNIT | PAPER NUMBER | |
| BOSTON, MA 02: | 205 | 1792 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 702 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 702 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

| Application No. | Applicant(s) |
|-----------------|--------------|
| 10/536,624 | KOPP ET AL. |
| Examiner | Art Unit |
| IVEONIA KO | 1702 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative

of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to Response after final office action dated 27 October 2009. The allowed claim(s) is/are 35-64 and 66-67. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3.
☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892)

- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08).
- Paper No./Mail Date
- 4. T Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7.

 Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. ☐ Other .